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The committee considered the question of the assignment of unit values to the new definition of the admission requirement in English and voted that, as a tentative arrangement, equal values be given to (1) the grammar and composition, and (2) the reading.

Among the questions assigned to a sub-committee for consideration and report at the next meeting are the following: the literal interpretation of the definition of the unit; the greater unit value of the work of the latter years of the secondary school curriculum as compared with the work of the earlier years; the effect on the unit value of work in any subject when it is accompanied or preceded by work in allied subjects; the assignment of unit values to the definitions of the admission requirements in the subjects, algebra, English and history; and the accrediting of candidates for admission to college from secondary schools which give instruction in only one foreign language.

Officers were elected for the year as follows: *President*, Headmaster Wilson Farrand, Newark Academy; *Vice-president*, President A. Ross Hill, University of Missouri; *Secretary-treasurer*, Dean Frederick C. Ferry, Williams College.

The sub-committee which had served for the past two years was continued for investigation and report at the next meeting. This committee includes Headmaster Wilson Farrand, Dean Frederick C. Ferry, President Henry S. Pritchett and Principal Frederick L. Bliss.

The next conference was appointed for February, 1914, or for such earlier time as the sub-committee might select.

FREDERICK C. FERRY,
Secretary

THE DANA CENTENARY

IN commemoration of the great geologic work of James Dwight Dana, Yale University proposes to hold a centenary celebration next November, to consist of a series of lectures culminating in a Dana Memorial volume on "Problems of American Geology." The lectures will be given on the Silliman Founda-

tion, the dates to be announced after the opening of the next collegiate year. The lecturers and their respective subjects are as follows:

PROBLEMS OF AMERICAN GEOLOGY

Introduction

"The Geology of James Dwight Dana," Professor William North Rice, Wesleyan University.

I. *Problems of the Canadian Shield*

"The Archeozoic and its Problems," Professor Frank Dawson Adams, McGill University.

"The Proterozoic and its Problems," Professor Arthur Philemon Coleman, University of Toronto.

II. *Problems of the Cordilleras*

"The Cambrian and its Problems," Dr. Charles Doolittle Walcott, Smithsonian Institution.

"The Igneous Geology and its Problems," Professor Waldemar Lindgren, Massachusetts Institute of Technology.

"The Tertiary Structural Evolution and its Problems," Dr. Frederick Leslie Ransome, United States Geological Survey.

"The Tertiary Sedimentary Record and its Problems," Dr. William Diller Matthew, American Museum of Natural History.

SCIENTIFIC NOTES AND NEWS

PRINCETON UNIVERSITY has conferred the degree of doctor of science on Dr. Simon Flexner, scientific director of the Rockefeller Institute for Medical Research and on Dr. David L. Edsall, Jackson professor of clinical medicine in the Harvard Medical School. The degree of master of arts has been conferred on Mr. William Barnum, editor of the publications of the Carnegie Institution.

THE Jefferson Medical College, Philadelphia, has conferred the degree of LL.D. on Dr. Abraham Jacobi, emeritus professor of diseases of children, College of Physicians and Surgeons, Columbia University, and on Dr. Francis P. Venable, president of the University of North Carolina.

DR. E. A. SCHÄFER, professor of physiology in the University of Edinburgh, has received the honor of knighthood. The same honor has been conferred upon Professor J. H. Biles, professor of naval architecture in the University of Glasgow.

THE Royal Dutch Geographical Society at Amsterdam has elected Professor W. M. Davis to honorary membership as "master in the art of organizing excursions in the old and the new world, and ingenious founder of a new system of geomorphology."

THE Portugal Academy of Sciences has elected Dr. L. A. Bauer a corresponding member.

ADMIRAL ROBERT E. PEARY lectured before the French Geographical Society on the evening of June 6, when the decoration of the legion of honor was conferred on him.

DR. HENRY W. FARNHAM, professor of political economy at Yale University, has been appointed Roosevelt professor at the University of Berlin by Columbia University and the University of Berlin.

PROFESSOR GEORGE A. HULETT, who has been on a leave of absence this year from Princeton University and has been acting as chief chemist of the United States Bureau of Mines, will return to Princeton in the fall, and resume his duties as professor of physical chemistry.

GEORGE W. LAMKE, assistant professor of electrical engineering at Washington University, and Chester H. Hardy, instructor in electrical engineering, have resigned their positions to take up active practise.

T. T. WATERMAN, assistant professor of anthropology in the University of California, will spend the summer in New York, in part to study the collections in the American Museum.

AT the annual meeting of the American Medico-Psychological Association, which ended its sessions at Niagara Falls on June 13, Dr. Carlos F. MacDonald, of New York, was elected president, Dr. S. E. Smith, of Indiana, vice-president, and Dr. Charles G. Wagner, of Binghamton, N. Y., secretary. The association will meet in Baltimore in 1914.

THE eighth annual meeting of the American Association of Museums was held in Philadelphia, from June 3 to 5, 1913, with about one hundred members in attendance. Dr. Henry

L. Ward, of the Milwaukee Museum, presided. In addition to the reading of papers the program was so arranged as to provide time for the study of important museum collections at the Academy of Natural Sciences, University Museum, Commercial Museum, Wistar Institute of Anatomy, Academy of Fine Arts and Memorial Hall. The officers elected for the ensuing year are: President, Benjamin Ives Gilman, Museum of Fine Arts, Boston; Secretary, Paul M. Rea, Charleston Museum, Charleston, S. C.; Treasurer, William P. Wilson, The Commercial Museum, Philadelphia. The next annual meeting will be held in Chicago with a supplementary session in Milwaukee.

IMMEDIATELY after the resignation of professor Willis L. Moore as chief of the Weather Bureau had been accepted by the President, charges were filed against him with the Secretary of Agriculture by responsible men in the service. Those charges, which related to the improper conduct on the part of Professor Moore in connection with his candidacy for the office of secretary of agriculture, were of such a grave nature that the Department of Justice was asked to make an investigation. This investigation has now been practically completed. The facts secured from the preliminary investigation were sufficient to warrant the President in withdrawing his acceptance of Professor Moore's resignation and removing him summarily from the service, which was done April 16, 1913. Charles T. Burns, an employee of the Weather Bureau, was furloughed at the same time, but later reinstated with reduced rank and salary. On June 7, as a result of the investigation by the Department of Justice, six other employees of the Weather Bureau were furloughed without pay, and thirty-one other officers and employees whose salaries had apparently been increased by Professor Moore as a reward for their activities on his behalf were reduced to their former salaries.

PROFESSOR ALBERT PERRY BRIGHAM, of Colgate University, will go to Europe in July to remain during the coming academic year. In

his absence Professor Isaiah Bowman, of Yale University, will be the acting secretary of the Association of American Geographers and will prepare the program for the Princeton meeting. Professor Bowman is expected to return from South America in September.

PROFESSOR HOWARD S. REED, of the Virginia Polytechnic Institute, who is spending the year in Europe was a delegate to the Tenth International Congress of Agriculture held in Ghent from June 8 to 12.

ARTHUR H. BLANCHARD, professor of highway engineering in Columbia University, sailed on June 12 to attend the Third International Road Congress, London. Professor Blanchard is a United States reporter on Question 3, "Construction of macadamized roads bound with tarry, bituminous, or asphaltic materials," and Communication 10, "Terminology adopted or to be adopted in each country relating to road construction and maintenance." He has been appointed a delegate to the congress by Columbia University, the American Society of Civil Engineers, the National Highways Association and the American Road Builders' Association.

A SPECIAL research meeting was held by the Royal Geographical Society of London, on June 4, at which Dr. L. A. Bauer gave an account of the progress of the magnetic survey of the oceans and of the chief results thus far obtained. The paper was discussed by Sir David Gill, the presiding officer, by Drs. Shaw and Chree, and by Captain Creak and others.

PROFESSOR H. H. DONALDSON, of the Wistar Institute of Anatomy and Biology, Philadelphia, delivered the commencement address at the St. Louis University School of Medicine on June 5, the subject being "The Mutual Relations of Medical Progress and the Physician."

THREE Chadwick public lectures, on "Nature and Nurture in Mental Development," are being given by Dr. F. W. Mott, F.R.S., at the Royal Society of Arts, on June 6, 13, and 20.

MR. FREDERICK ALBION OBER, an explorer and the author of works on ornithology and

travel, died in Hackensack, N. J., on June 1, aged sixty-four years.

PROFESSOR L. G. LEÓN, general secretary of the Mexican Astronomical Society, has died at the age of forty-seven years.

THE death is also announced of Dr. Léon Pervinquière, lecturer on paleontology in the University of Paris.

MR. ARTHUR JAMES has given as a memorial to his brother the income of a sum of 20,000*l.* for cancer research to the Middlesex Hospital, London.

THE Bureau of Standards, Department of Commerce, expects to begin, soon after July 1, the inspection of railroad scales, starting with some of the scales of the eastern roads. This test will be made as a result of complaints from shippers as to the weights charged for by railroads, which have recently drawn attention to the necessity for some governmental supervision over railroad track scales, as well as scales used by shippers doing an interstate business. Every grocer's scale is supposed to be tested as to its accuracy periodically in order that the purchasers may be assured of getting correct weight. In addition, the city or county sealer sees to it that the purchaser secures full weight or measure, and prosecutes violations of the law by the dealers. On the other hand, the railroads annually collect approximately \$2,200,000,000 from the shippers of the country on scales which belong to and are operated entirely by the roads, and over which neither the shipper nor the Government has any control or, indeed, any information as to the correctness of the scales. In order to secure information that will enable the Government to draw reliable conclusions as to what shall be done to guarantee the accuracy of railroad weights, and also for the purpose of aiding the railroads to install correct scales, the Bureau of Standards was allowed an appropriation of \$25,000 by Congress for the purchase of a test-weight car equipment. The contract for this car has already been let, and it is expected that the car will be delivered soon after July 1, when the appropriation becomes available. The equipment ordered by the

Bureau will differ radically in principle from any in use. Instead of the wheels, brakes, and other movable parts of the car constituting part of the standard weight, as is customary, the Bureau proposes to carry a series of 10,000-pound weights and a truck for moving them on the scales, in a specially designed car provided with a power crane and other accessories for handling the weights. The advantage of this arrangement is that the weights may be standardized and transported from one end of the country to the other with a reasonable assurance that they will remain constant, whereas if the running gear is included in the weight of the test car it would be necessary to verify this weight at frequent intervals. After testing a scale with the standard weights, the empty car may then be put on the scale and its weight determined, after which the weights may be loaded into the car and the scale tested up to the full capacity of the car plus the standard weights.

THE eighty-first annual meeting of the British Medical Association will be held at Brighton, July 22-25. According to the *Journal* of the American Medical Association in the section of bacteriology and pathology the papers will include one by Dr. Miller Galt on "The Value of the Blood-count in Obscure Bacterial Infections," and an account by the staff of the John Howard McFadden Research fund on "Some Researches on the Jelly Method of Staining Cells Alive." A joint discussion has been arranged with the section on pharmacology on "Anaphylaxis," the papers promised including a consideration of "The Action of Asbestos and other Finely-divided Substances on Various Physiologic Substances." In the section of climatology and balneology there will be discussions on "Sea Bathing," to be opened by Dr. W. J. Tyson, and on "The International Aspects of British Health Resorts," to be opened by Dr. Neville Wood. In the section of diseases of children, Dr. E. J. Poynton and Dr. Carey Coombs will initiate a debate on the "Affections of the Heart in Childhood." In the section of electrotherapeutics papers and discussions have been arranged on "Rönt-

gen Diagnosis," on "Electrodiagnosis and Electrotherapeutics" and on "Röntgen Therapy and Radium." The subjects chosen for discussion in the section of medical sociology are "Crime and Punishment," on which Dr. Charles Mercier, Sir Bryan Donkin and Dr. James Scott will read papers, and on "Hospitals in Relation to the Stage, the Public and the Medical Profession," in which Sir Henry Burdett and Dr. I. G. Gibbons will read papers. The discussion will, it is hoped, prove valuable in helping to elucidate the problems involved in providing hospital accommodation for insured persons under the national insurance act. A discussion on "Eugenics" will be introduced by Professor Bateson, to be followed by Dr. Stewart Mackintosh, and Mr. Chas. B. Davenport, of New York. The arrangements for the navy, army and ambulance sections include a paper by Major Birrell on "Notes on the Work of a British Red Cross Unit with the Bulgarians."

A BRITISH Blue Book has been issued giving statistics of the number of persons killed by wild animals and snakes in British India from 1880 to 1910. According to the summary in the *British Medical Journal* the figures show that the tiger is the animal most destructive to human life; during the last five years of the period it was responsible for 38 per cent. of the total number of deaths caused by wild animals, leopards accounting for 16, wolves for 12 and bears for 4 per cent. Of the total number of persons (2,382) killed by wild animals in the year 1910, the tiger accounted for 882, the leopard for 366 and wolves and bears for 428. Elephants and hyenas, the two other animals distinguished in the returns, were between them responsible for 77 deaths in 1910. Of the 629 deaths attributed to "other animals," 244 are assigned to alligators and crocodiles, 51 to wild pigs, 16 to buffaloes, 24 to wild dogs and 220 to unspecified animals. In 1910 there were 22,478 deaths from snake-bite, compared with 21,364 in the previous year, but Bombay was one of the provinces which did not contribute towards the increase, and is in other respects one of the more fortunate parts of India. In Bengal, for ex-

ample, 1,130 persons were killed in 1910 by wild animals and 7,767 by snakes; but Bombay is, with the exception of the Punjab, at the bottom of the list with 22 deaths by wild animals and 1,247 by snakes. The statistics regarding the number of cattle killed by wild animals are not very perfect, but it is estimated that in the five years ending 1910 the number of animals killed was about 100,000, leopards accounting for 48 per cent. and tigers for 32 per cent.

UNIVERSITY AND EDUCATIONAL NEWS

COLUMBIA UNIVERSITY, Rutgers College and the Reformed Church in America receive bequests which may amount to \$1,000,000 each as the three principal beneficiaries under the will of Mrs. Mary B. Pell, who died on May 26 at 182 Riverside Drive, and was the widow of John H. Pell. Each beneficiary received a direct bequest of \$200,000 and an interest in large trust funds aggregating more than \$2,000,000. The bequest to the Reformed Church is for the purpose of building the Wessels Memorial Hall at the theological seminary at New Brunswick, N. J., and the same name is to be adopted for a memorial hall to be erected with the bequest to Rutgers. The fund for Columbia is to erect Pell Hall, in memory of the decedent's husband, who was an alumnus of Columbia.

PRINCETON UNIVERSITY has received \$100,000 from Mrs. Russell Sage toward the construction of a dining hall.

GOVERNOR SULZER has signed bills appropriating \$450,000 for the College of Agriculture of Cornell University, which also receives \$125,000 in the supply bill. The appropriation for the veterinary college is \$70,000. A part of the additional appropriation this year is to be used for increasing salaries.

THE bill taking over the College of Physicians and Surgeons by the University of Illinois was advanced to its third reading in the legislature, on June 5, after the defeat of amendments offered by those opposing the project. The state is being asked to appropriate \$200,000 for maintenance of the institution,

this being a part of the \$4,300,000 appropriation asked for the University of Illinois.

THE Plant Industry Hall of the University of Nebraska, containing the departments of agricultural botany, entomology, experimental agronomy and horticulture was dedicated on June 10, the address being made by Professor John M. Coulter, professor of botany in the University of Chicago.

THE following appointments have been made to the faculty of the new school of technology of the Johns Hopkins University: Professor C. C. Thomas, of the University of Wisconsin, to the chair of mechanical engineering; Professor C. J. Tilden, of the University of Michigan, to the chair of civil engineering; and Professor J. B. Whitehead, hitherto professor of applied electricity in Johns Hopkins University, to the chair of electrical engineering.

E. DANA DURAND, former director of the United States Census, has accepted the position of director of the Bureau of Research in Agricultural Economics, at the Minnesota Agricultural College.

PROFESSOR PIERRE BOUTROUX, of the University of Poitiers, France, has been elected professor of mathematics at Princeton University.

DR. R. G. HOSKINS, Ph.D. (Harvard, '10), has been appointed associate professor of physiology in the Northwestern Medical School. Dr. Hoskins, who has been working on internal secretions, will devote three fourths of his time to research and one fourth to teaching.

CHARLES T. KIRK, Ph.D. (Wisconsin, 1911), has been appointed professor of geology in the University of New Mexico. According to the State law of 1909, establishing a Natural Resources Survey, Mr. Kirk becomes ex-officio state geologist, and will spend the present summer in reconnaissance work in that capacity, with headquarters at Albuquerque.

DR. EDWARD C. DAY, Harvard foreign fellow, Naples, Italy, has been elected instructor in zoology, Syracuse University. Dr. M. W. Blackman, of the department of zoology, Syracuse University, has been elected associate professor of entomology in The New